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*[Please replace current claim 2 with the following:]*

2. (Amended) The optical probe of claim 1, wherein the wavelengths are representative of Raman or fluorescence spectra.

Cancel claim 3.

*Please add new claims 8-13 as follows:*

8. An optical probe with a self-cleaning sampling window, comprising:  
a probe body having a window with a surface oriented toward a sample under investigation;  
a sampling beam carrying Raman or fluorescence wavelengths representative of the sample into the probe body through the window for analysis;  
a conduit carrying a fluid to the surface of the window oriented toward the sample; and  
a structure operative to flood the window with the fluid.
9. The optical probe of claim 8, wherein:  
the structure further includes an aperture through which the sampling wavelengths pass; and  
at least a portion of the fluid passes through the aperture to ensure that the sample under investigation does not reach the window.
10. The optical probe of claim 8, wherein the fluid is a solvent.

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11. The optical probe of claim 8, wherein the fluid is a liquid.
12. The optical probe of claim 8, wherein the fluid is a gas.
13. The optical probe of claim 8, wherein the fluid enters into the sample under investigation after flooding the window.

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